ENVIRONMENTAL CHEMISTS

Date of Report: 12/05/02 Date Received: 11/14/02

Project: Metro Self Monitor, PO# M69030

Date Extracted: 11/25/02 Date Analyzed: 11/25/02

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Chromium	Copper	<u>Nickel</u>	Zinc .
M69030	0.28	0.20	0.14	<0.05
211115-01				
Method Blank	<0.05	<0.05	<0.05	<0.05

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Date of Report: 12/05/02 Date Received: 11/14/02

Project: Metro Self Monitor, PO# M69030

QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 211132-01 (Duplicate)

				Relative	
	Reporting	Sample	Duplicat	te Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
Chromium	mg/L (ppm)	< 0.05	< 0.05	nm	0-20
Copper	mg/L (ppm)	1.6	1.6	0	0-20
Nickel	mg/L (ppm)	< 0.05	< 0.05	nm	0-20
Zinc	mg/L (ppm)	2.0	1.9	5	0-20

Laboratory Code: 211132-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Chromium	mg/L (ppm)	2	< 0.05	99	80-120
Copper	mg/L (ppm)	2	1.6	101	80-120
Nickel	mg/L (ppm)	4	< 0.05	96	80-120
Zinc	mg/L (ppm)	2	2.0	94	80-120

Laboratory Code: Laboratory Control Sample

		Reporting	Spik	e %	Recov	ery %	Recov	ery A	cceptano	e	RPD	
Analyte	1.77.18	Units	Leve	el	LCS	See See	LCSI)	Criteria	(L:	imit 20	0)
Chromium		mg/L (ppm)	2		98		96		80-120		1	
Copper		mg/L (ppm)	2		102		99		80-120		3	
Nickel		mg/L (ppm)	4		99		96		80-120		3	W
Zinc		mg/L (ppm)	2		100		96	. ACA	80-120		4	

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

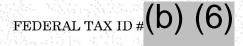
December 5, 2002

DUPLICATE COPY

INVOICE # 02ACU1205-2

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M69030 - Results of testing requested by Gerry Thompson for material submitted on November 14, 2002.



ME	11	14	02	BIZ
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Send Report To G. Thompson	SAMPLERS (signature)		Page # of TURNAROUND TIME
Company Alaskan Copex Works	PROJECT NAME/NO.	PO#	☐ Standard (2 Weeks) ☐ RUSH
Address 628 S. Havford 50	METRO SECS MONITOR	M 69030	Rush charges authorized by:
City, State, ZIP SEAVLE WA 98/34	REMARKS		SAMPLE DISPOSAL Dispose after 30 days
Phone # 206-782-8379 Fax # 206-782-4309			☐ Return samples ☐ Will call with instructions
		Wana phawham	

			·							ANA	LYS	ES RI	EQUE	STEI)]
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH.Dièsel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CC (10 10) 25				, i	**************************************	Notes	
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Friedman & Bruya, Inc. 3012 16th Avenue West

SIGNATURE

Relinquished by:

Received by:

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

PRINT NAME	COMPANY	DATE	TIME
G. Thompson	Ace	11-14-02	15:26
Laura + poper	FBI .		L

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

December 5, 2002

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 14, 2002 from your Metro Self Monitor, PO# M69030 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU1205R.DOC